100

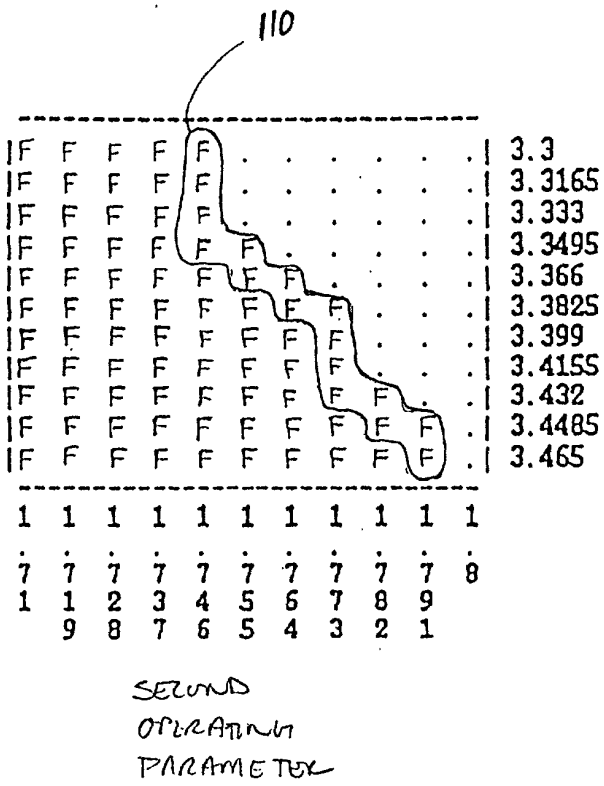

Fig. 1
Prior Art

Docket: 1500.1

200

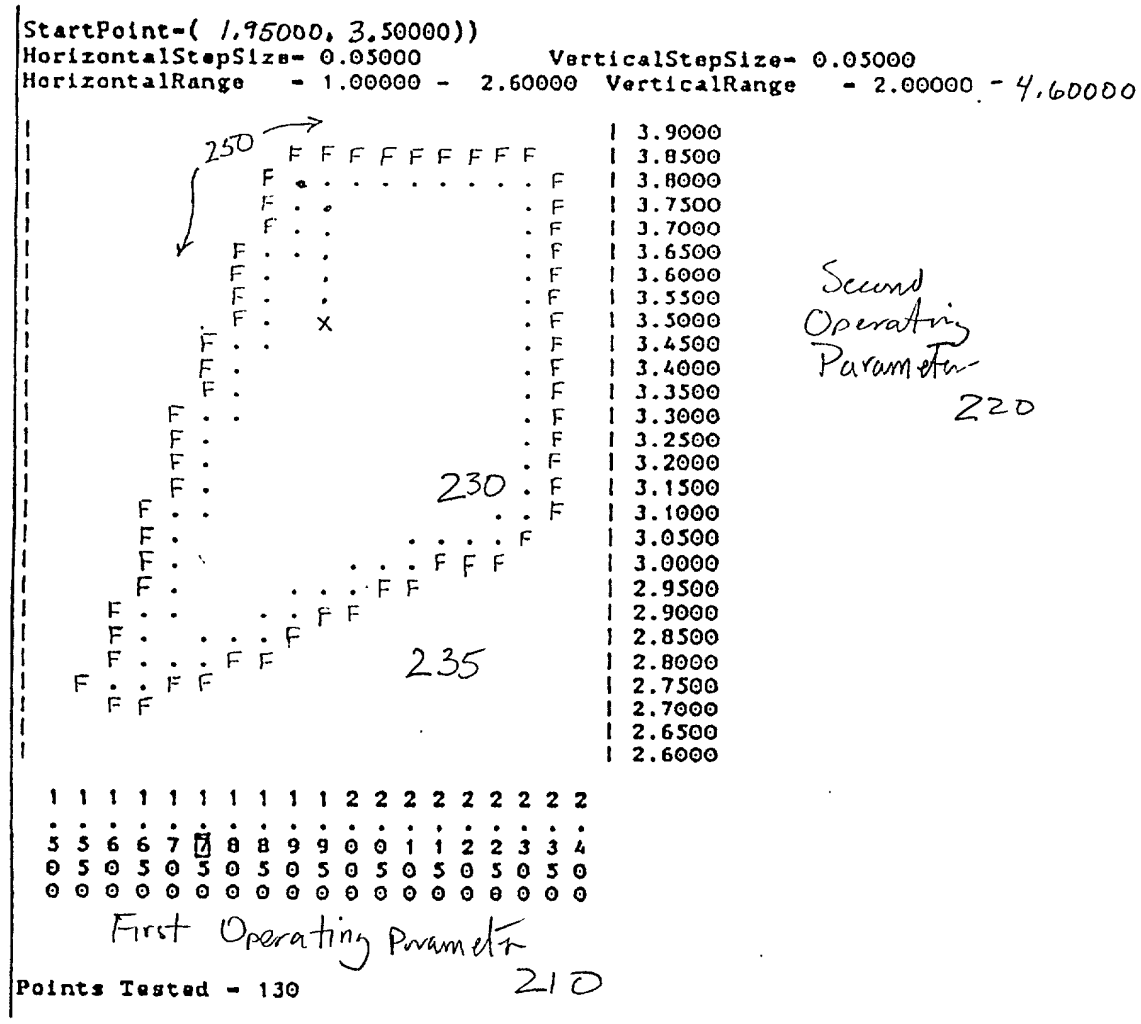
StartPoint=(1.95000, 3.50000))
HorizontalStepSize= 0.05000 VerticalStepSize= 0.05000
HorizontalRange = 1.00000 - 2.60000 VerticalRange = 2.00000 - 4.60000
250
230
235
3.9000
3.8500
3.8000
3.7500
3.7000
3.6500
3.6000
3.5500
3.5000
3.4500
3.4000
3.3500
3.3000
3.2500
3.2000
3.1500
3.1000
3.0500
3.0000
2.9500
2.9000
2.8500
2.8000
2.7500
2.7000
2.6500
2.6000
Second Operating Parameter
220
First Operating Parameter
210
Points Tested = 130

Fig. 2

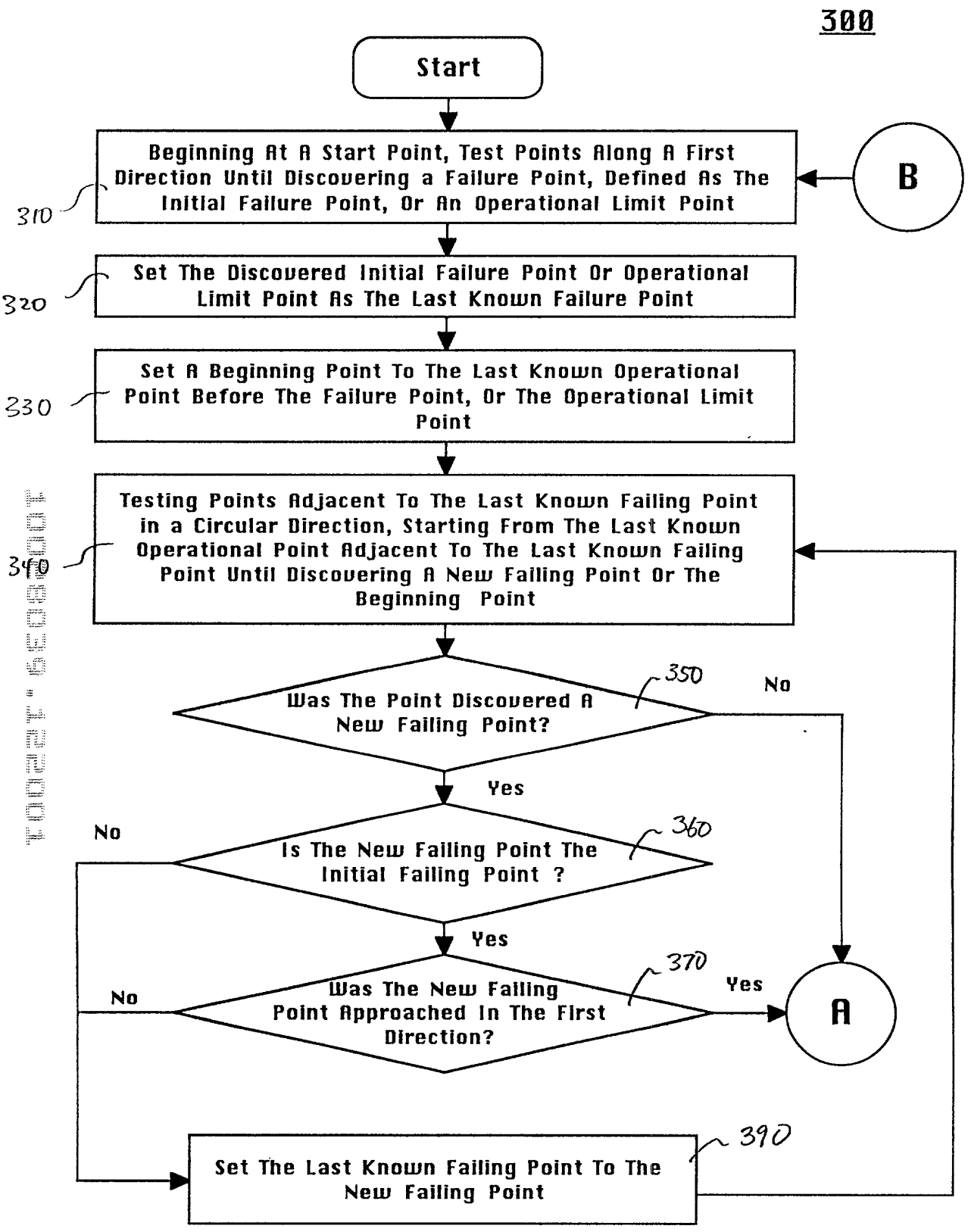
300
Start
Beginning At A Start Point, Test Points Along A First Direction Until Discovering a Failure Point, Defined As The Initial Failure Point, Or An Operational Limit Point
310
B
Set The Discovered Initial Failure Point Or Operational Limit Point As The Last Known Failure Point
320
Set A Beginning Point To The Last Known Operational Point Before The Failure Point, Or The Operational Limit Point
330
Testing Points Adjacent To The Last Known Failing Point in a Circular Direction, Starting From The Last Known Operational Point Adjacent To The Last Known Failing Point Until Discovering A New Failing Point Or The Beginning Point
340
Was The Point Discovered A New Failing Point?
350
No
Yes
Is The New Failing Point The Initial Failing Point ?
360
No
Yes
Was The New Failing Point Approached In The First Direction?
370
No
Yes
A
Set The Last Known Failing Point To The New Failing Point
390

Fig. 3

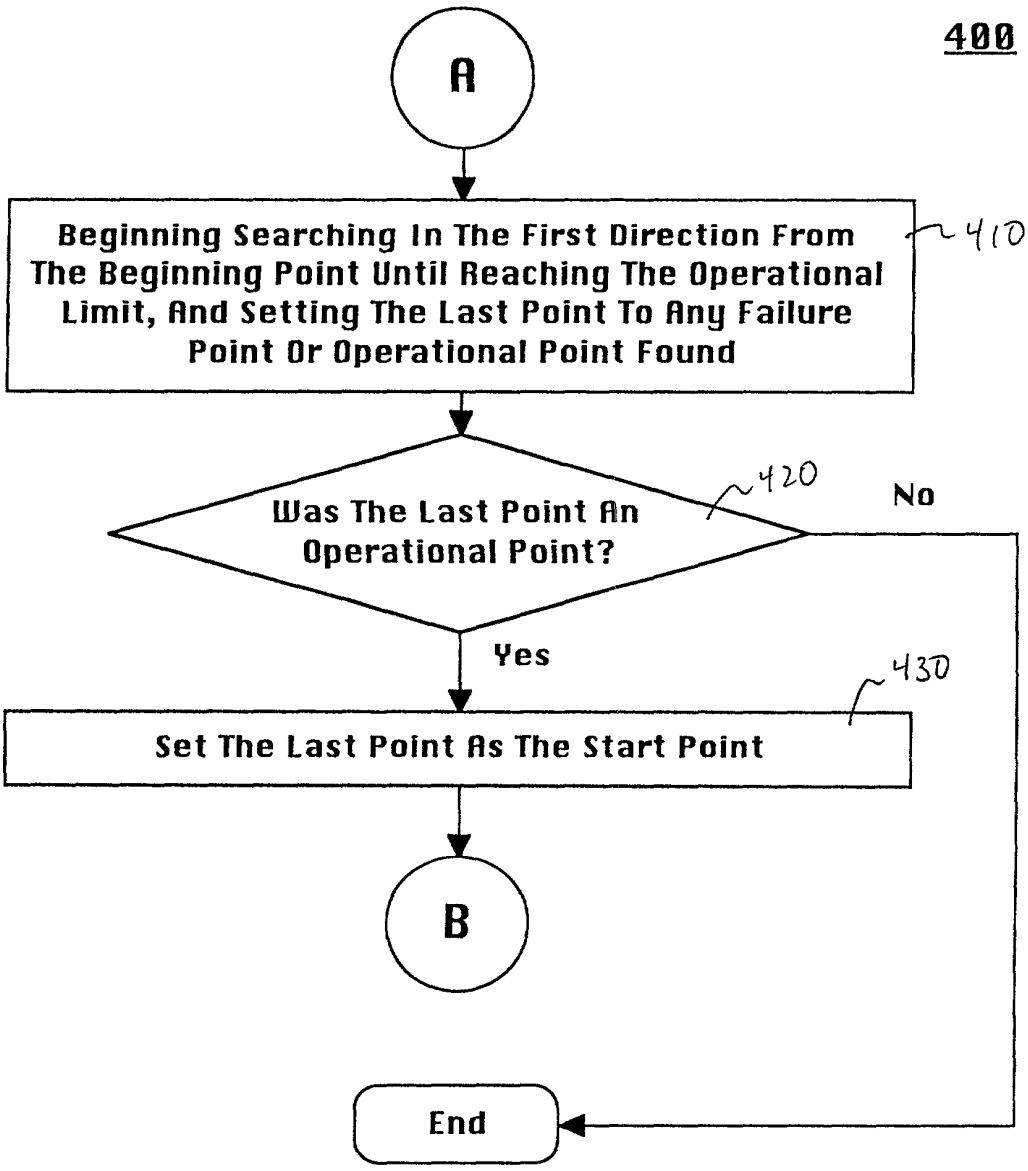
400
A
Beginning Searching In The First Direction From The Beginning Point Until Reaching The Operational Limit, And Setting The Last Point To Any Failure Point Or Operational Point Found
410
Was The Last Point An Operational Point?
420
No
Yes
Set The Last Point As The Start Point
430
B
End

Fig. 4